

R E M A R K S

Applicants herewith submit a copy of pages 3 to 9 of the preliminary amendment submitted upon filing of this application. The respective pages, which apparently did not reach the Examiner's file, set forth the clean copy of the claims as preliminary amended and correspond to the marked-up version of the amended claims appended to applicants' preliminary amendment.

Additionally, applicants herewith submit an amendment concerning Claims 3, 6, 17 and 18 which is based on the preliminary amendment. A copy of those claims with markings showing the changes made is attached as Appendix I. Additionally, Appendix II of this paper sets forth a clean copy of Claims 2 to 18 as herewith amended.

Claim 3 has been further amended to recite CF_3 in the definition of R^1 and R^3 in accordance with the disclosure of Claim 4. Additionally, Claims 6, 17 and 18 have been revised to recite "glufosinate-ammonium, glyphosate, sulfosate" as representatives for (b) corresponding to the recitation in, for example, Claim 5. No new matter has been added.

The Examiner has required election of a single species representative for the subject matter of applicants' claims. Applicants herewith elect elect the composition comprising synergistically effective amounts of

(a) Example 47 of the table on page 11 of the application (*formula I wherein R^1 and R^3 are CF_3 , R^2 and R^5 are hydrogen, R^4 is OCH_3 , and Z is nitrogen*) as the representative for sulfonylureas of formula (I), and

(b) glyphosate as the representative for component (b) compounds.

All of applicants' claims are generic to the elected species.

The Examiner has indicated that applicants' claims are deemed to be drawn to patentably distinct inventions due to the nature of constituent (b). Favorable reconsideration of the Examiner's position is respectfully solicited since the constituent (b) alone does not constitute applicants' invention. Rather, applicants' invention resides in the combination of synergistically effective amounts of constituents (a) and (b). In the particular context of applicants' invention, the compounds enumerated in the definition of (b) can,

therefore, be considered as analogues. Favorable action is respectfully solicited.

REQUEST FOR EXTENSION OF TIME:

It is respectfully requested that a three month extension of time be granted in this case. A check for the \$930.00 fee is attached.

Please charge any shortage in fees due in connection with the filing of this paper, including Extension of Time fees to Deposit Account No. 11.0345. Please credit any excess fees to such deposit account.

Respectfully submitted,

KEIL & WEINKAUF



Herbert B. Keil

Reg. No. 18,967

1350 Connecticut Ave, N.W.
Washington, D.C. 20036
(202) 659-0100

Encl.: THE CHANGES IN THE CLAIMS (Appendix I)
THE AMENDED CLAIMS (Appendix II)
copy of pages 3 to 9 of the Preliminary Amendment (paper 01)

HBK/BAS

A P P E N D I X I:

THE CHANGES IN THE CLAIMS (version with markings, showing the changes made):

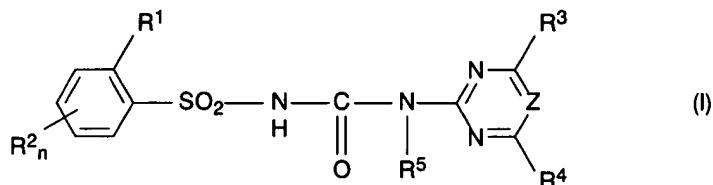
3. (currently amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea of formula I wherein
- R¹ is halogen, CF₃ a group ER⁶, CO₂R⁸, SO₂CH₃ or SO₂C₂H₅,
R² is hydrogen,
R³ is F or CF₃,
R⁴ is OCF₃, OCF₂Cl or OCH₃, and
R⁵ is hydrogen.
6. (currently amended) The herbicidal composition defined in claim 14, wherein the herbicidal compound (b) is selected from the group consisting of
- glufosinate-ammonium, glyphosate, sulfosate, phenmedipham, thio-bencarb, quinclorac, caloxydim, sethoxydim, 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one, acifluorfen-sodium and fluoroglycofen-ethyl.
17. (currently amended) The composition defined in claim 14, wherein component b) is at least one compound selected from the group consisting of
- glufosinate-ammonium, glyphosate, sulfosate, caloxydim, sethoxydim, 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one, acifluorfen-sodium and fluoroglycofen-ethyl.
18. (currently amended) The composition defined in claim 14, wherein component b) is at least one compound selected from the group consisting of
- glufosinate-ammonium, glyphosate, sulfosate, alloxydim, caloxydim, clethodim, cloproxydim, cycloxydim, sethoxydim, tralkoxydim and 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one.

A P P E N D I X IV:

THE AMENDED CLAIMS (clean version of all claims):

14. (previously added) A herbicidal composition comprising

a) at least one sulfonylurea of the formula I



wherein

- B* /
- R^1 is C_1 - C_6 -alkyl which carries one to five of the following groups: methoxy, ethoxy, SO_2CH_3 , cyano, chlorine, fluorine, SCH_3 , $S(O)CH_3$; halogen; a group ER^6 where E is O, S or NR^7 ; $COOR^8$; NO_2 ; $S(O)_2R^9$; $SO_2NR^{10}R^{11}$; $CONR^{10}R^{11}$;
- R^2 is hydrogen, C_1 - C_4 -alkyl, C_2 - C_4 -alkenyl, C_2 - C_4 -alkynyl, halogen, C_1 - C_4 -alkoxy, C_1 - C_4 -haloalkoxy, C_1 - C_4 -haloalkyl, C_1 - C_2 -alkylsulfonyl, nitro, cyano or C_1 - C_4 -alkylthio;
- R^3 is F, CF_3 , CF_2Cl , CF_2H , OCF_3 , OCF_2Cl , or, if R^1 is CO_2CH_3 and R^2 is simultaneously fluorine, R^3 is Cl, or, if R^1 is CH_2CF_3 or CF_2CF_3 , R^3 is methyl, or, if R^4 is OCF_3 or OCF_2Cl , R^3 is OCF_2H or OCF_2Br ;
- R^4 is C_1 - C_2 -alkoxy, C_1 - C_2 -alkyl, C_1 - C_2 -alkylthio, C_1 - C_2 -alkylamino, di- C_1 - C_2 -alkylamino, halogen, C_1 - C_2 -haloalkyl, C_1 - C_2 -haloalkoxy;
- R^5 is hydrogen, C_1 - C_2 -alkoxy, C_1 - C_4 -alkyl;
- R^6 is C_1 - C_4 -alkyl, C_2 - C_4 -alkenyl, C_2 - C_4 -alkynyl or C_3 - C_6 -cycloalkyl, where these groups may carry 1 to 5 halogen atoms, with the exception of allyl, difluoromethoxy, chlorodifluoromethoxy and 2-chloroethoxy when E is O or S; or in the event that E is O or NR^7 , R^6 is furthermore methylsulfonyl, ethylsulfonyl, trifluoromethylsulfonyl, allylsulfonyl, propargylsulfonyl or dimethylsulfamoyl;
- R^7 is hydrogen, methyl or ethyl;

- B₁*
- R⁸ is C₁-C₆-alkyl, which may carry up to three of the following radicals: halogen, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-haloalkoxy, C₁-C₄-alkoxy-C₁-C₄-alkoxy, C₃-C₇-cycloalkyl and/or phenyl;
C₅-C₇-cycloalkyl which may carry up to three C₁-C₄-alkyl groups;
C₃-C₆-alkenyl or C₃-C₆-alkynyl;
- R⁹ is C₁-C₆-alkyl, which may carry up to three of the following radicals: halogen, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-haloalkoxy, C₁-C₄-alkoxy-C₁-C₄-alkoxy, C₃-C₇-cycloalkyl and/or phenyl;
C₅-C₇-cycloalkyl which may carry up to three C₁-C₄-alkyl groups;
C₃-C₆-alkenyl or C₃-C₆-alkynyl;
- R¹⁰ is hydrogen, C₁-C₂-alkoxy, C₁-C₆-alkyl, or together with R¹¹ is a C₄-C₆-alkylene chain in which one methylene group may be replaced by an oxygen atom or a C₁-C₄-alkylimino group;
- R¹¹ is C₁-C₄-alkyl which may carry one to four halogen or C₁-C₄-alkoxy radicals; C₃-C₆-cycloalkyl;
- n is 0 - 3;
o is 1 or 2;
Z is N or CH,

or an environmentally compatible salt of I, and

- b) at least one herbicidal compound selected from groups b₁, b₃ to b₅, b₁₀ to b₂₀, b₂₂ to b₂₅, b₂₈, b₂₉, b₃₁ to b₃₅ and b₃₈ to b₄₁:
- b₁) 1,3,4-thiadiazoles: buthidazole and cyprazole;
- b₃) aminophosphoric acids: bilanafos, bialaphos, buminafos, glufosinate-ammonium, glyphosate and sulfosate;
- b₄) aminotriazoles: amitrol;
- b₅) anilides: anilofos and mefenacet;
- b₁₀) carbamates: asulam, barban, butylate, carbetamid, chlorbufam, chlorpropham, cycloate, desmedipham, di-allate, EPTC, esprocarb, molinate, orbencarb, pebulate, phenisopham, phenmedipham, propham, prosulfocarb, pyributicarb, sulf-allate (CDEC), terbucarb, thiobencarb (benthocarb), tiocarbazil, tri-allate and vernolate;
- b₁₁) quinolinecarboxylic acids: quinclorac and quinmerac;

- b₁₂) chloracetanilides: acetochlor, alachlor, butachlor, butenachlor, diethatyl-ethyl, dimethachlor, metazachlor, metolachlor, pretilachlor, propachlor, prynachlor, terbuchlor, thenylchlor and xylachlor;
- b₁₃) cyclohexenones: alloxydim, caloxydim, clethodim, cloproxydim, cycloxydim, sethoxydim, tralkoxydim and 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one;
- b₁₄) dichloropropionic acids: dalapon;
- b₁₅) dihydrobenzofurans: ethofumesate;
- b₁₆) dihydrofuran-3-ones: flurtamone;
- b₁₇) dinitroanilines: benefin, butralin, dinitramin, ethalf-luralin, fluchloralin, isopropalin, nitralin, oryzalin, pendimethalin, prodiamine, profluralin and trifluralin;
- b₁₈) dinitrophenols: bromofenoxim, dinoseb, dinoseb-acetat, dinoterb and DNOC;
- b₁₉) diphenyl ethers: acifluorfen-sodium, aclonifen, chlornitrofen (CNP), difenoxuron, ethoxyfen, fluorodifen, fluoroglycofen-ethyl, fomesafen, furyloxyfen, lactofen, nitrofen, nitrofluorfen and oxyfluorfen;
- b₂₀) dipyridylenes: cyperquat, difenzoquat methylsulfate, diquat and paraquat dichloride;
- b₂₂) imidazoles: isocarbamid;
- b₂₃) imidazolinones: imazamethapyr, imazapyr, imazaquin, imazethabenzmethyl (imazame) and imazethapyr;
- b₂₄) oxadiazoles: methazole, oxadiargyl and oxadiazon;
- b₂₅) oxiranes: tridiphane;
- b₂₈) phenylacetic acids: chlorfenac (fenac);
- b₂₉) phenylpropionic acid: chlorophenprop-methyl;
- b₃₁) pyrazoles: nipyraclufen;
- b₃₂) pyridazines: chloridazon, maleic hydrazide, norflurazon and pyridate;
- b₃₃) pyridinecarboxylic acids: clopyralid, dithiopyr, picloram and thiazopyr;
- b₃₄) pyrimidyl ethers: pyriithiobac acid, pyriithiobac sodium, KIH-2023 and KIH-6127;
- b₃₅) sulfonamides: flumetsulam and metosulam;
- b₃₈) triazinones: ethiozin, metamitron and metribuzin;

b₃₉) triazolecarboxamides: triazofenamid;

b₄₀) uracils: bromacil, lenacil and terbacil;

b₄₁) others: benazolin, benfuresate, bensulfide, benzofluor, butamifos, cafenstrole, chlorthal-dimethyl (DCPA), cinmethylin, dichlobenil, endothall, fluorbentranil, mefluidide, perfluidone and piperophos,

or an environmentally compatible salt of the herbicidal compound,

in a synergistically active amount.

2. (previously amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea of formula I wherein

R¹ is CO₂CH₃, CO₂C₂H₅, CO₂iC₃H₇, CF₃, CF₂H, CH₂CF₃, CF₂CF₃, OSO₂CH₃, OSO₂N(CH₃)₂, Cl, NO₂, SO₂N(CH₃)₂, SO₂CH₃, SO₂C₂H₅ and N(CH₃)SO₂CH₃,

R² is hydrogen, halogen or methyl,

R³ is CF₂H, OCF₃, OCF₂Cl, CF₃, or,
if R¹ is CO₂CH₃ and R² is simultaneously fluorine, R³ is Cl,
or,

if R¹ is CH₂CF₃ or CF₂CF₃, R³ is methyl,

R⁴ is OCH₃, and

R⁵ is hydrogen.

3. (currently amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea of formula I wherein

R¹ is halogen, CF₃ a group ER⁶, CO₂R⁸, SO₂CH₃ or SO₂C₂H₅,

R² is hydrogen,

R³ is F or CF₃,

R⁴ is OCF₃, OCF₂Cl or OCH₃, and

R⁵ is hydrogen.

4. (previously amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea of formula I wherein

R¹ is CF₃,

R² is hydrogen,

R³ is CF₃,

R⁴ is OCH₃,

R⁵ is hydrogen, and

Z is N.

5. (previously amended) The herbicidal composition defined in claim 14, wherein the herbicidal compound (b) is selected from the group consisting of
glufosinate-ammonium, glyphosate, sulfosate, mefenacet, phenmedipham, thiobencarb, quinclorac, quinmerac, acetochlor, alachlor, butachlor, metazachlor, metolachlor, pretilachlor, butroxydim, clethodim, cloproxydim, sethoxydim, tralkoxydim, caloxydim, 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one, pendimethalin, acifluorfen-sodium, bifenox, fluoroglycofen-ethyl, fomesafen, lactofen, imazaquin, imazethabenzmethyl, imazethapyr, pyridate, clopyralid, bispyribac-sodium, KIH-8555, KUH-920, flumetsulam, metosulam, benazolin, benfuresate, cafenstrole and cinmethylin.
6. (currently amended) The herbicidal composition defined in claim 14, wherein the herbicidal compound (b) is selected from the group consisting of
glufosinate-ammonium, glyphosate, sulfosate, phenmedipham, thiobencarb, quinclorac, caloxydim, sethoxydim, 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one, acifluorfen-sodium and fluoroglycofen-ethyl.
7. (previously amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea (a) and the one or more herbicidal compounds (b) in a weight ratio of 1:0.1 to 1:40.
8. (previously amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea (a) and the one or more herbicidal compounds (b) in a weight ratio of 1:0.1 to 1:20.
9. (previously amended) A herbicidal composition comprising
a) a herbicidally active amount on a sulfonylurea of formula I as defined in claim 14,
b) a synergistically active amount of at least one of the herbicidal compounds (b) defined in claim 14,
at least one liquid or solid carrier and optionally at least one adjuvant.
10. (previously amended) The herbicidal composition defined in claim 9, wherein the sulfonylurea (a) and one or more of the herbicidal compounds (b) are present in a weight ratio of 1:0.1 to 1:40.

11. (previously amended) The herbicidal composition defined in claim 9, wherein the sulfonylurea (a) and one or more of the herbicidally compounds (b) are present in a weight ratio of 1:0.1 to 1:40.
12. (previously amended) A method of controlling undesirable vegetation, which comprises applying the sulfonylurea (a) defined in claim 14 and one or more of the herbicidal compounds (b) defined in claim 14 before, during or after the emergence of undesirable plants, either simultaneously or in succession.
13. (previously amended) A method of controlling undesirable vegetation, which comprises treating the leaves of crop plants and of undesired plants with the sulfonylurea (a) defined in claim 14 and one or more of the herbicidal compounds (b) defined in claim 14, either simultaneously or in succession.
15. (previously added) The composition defined in claim 14, wherein component b) is at least one compound selected from the group consisting of
- B₁*
- b₃) aminophosphoric acids: bilanafos, bialaphos, buminafos, glufosinate-ammonium, glyphosate, sulfosate;
 - b₁₃) cyclohexenones: alloxymid, caloxymid, clethodim, cloproxymid, cycloxydim, sethoxydim, tralkoxydim, 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one;
 - b₁₇) dinitroanilines: benefin, butralin, dinitramin, ethalfluralin, fluchloralin, isopropalin, nitralin, oryzalin, pendimethalin, prodiamine, profluralin, trifluralin;
 - b₂₃) imidazolinones: imazamethapyr, imazapyr, imazaquin, imazethabenzmethyl (imazame) and imazethapyr.
16. (previously added) The composition defined in claim 14, wherein component b) is at least one compound selected from the group consisting of
- glufosinate-ammonium, glyphosate, sulfosate, butroxydim, clethodim, cloproxymid, sethoxydim, tralkoxydim, caloxymid, 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one, pendimethalin, imazaquin, imazethabenzmethyl and imazethapyr.
17. (currently amended) The composition defined in claim 14, wherein component b) is at least one compound selected from the group consisting of

glufosinate-ammonium, glyphosate, sulfosate, caloxydim, sethoxydim,
2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one, aci-fluorfen-sodium and fluoroglycofen-ethyl.

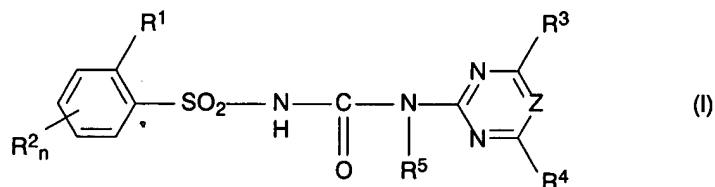
18. (currently amended) The composition defined in claim 14, wherein component b) is at least one compound selected from the group consisting of

B₁ glufosinate-ammonium, glyphosate, sulfosate, alloxydim, caloxydim, clethodim, cloproxydim, cycloxydim, sethoxydim, tralkoxydim and 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one.

A P P E N D I X I:

THE AMENDED CLAIMS:

14. (new) A herbicidal composition comprising
a) at least one sulfonylurea of the formula I



wherein

- B₁*
- R¹ is C₁-C₆-alkyl which carries one to five of the following groups: methoxy, ethoxy, SO₂CH₃, cyano, chlorine, fluorine, SCH₃, S(O)CH₃; halogen; a group ER⁶ where E is O, S or NR⁷; COOR⁸; NO₂; S(O)_nR⁹; SO₂NR¹⁰R¹¹; CONR¹⁰R¹¹;
- R² is hydrogen, C₁-C₄-alkyl, C₂-C₄-alkenyl, C₂-C₄-alkynyl, halogen, C₁-C₄-alkoxy, C₁-C₄-haloalkoxy, C₁-C₄-haloalkyl, C₁-C₂-alkylsulfonyl, nitro, cyano or C₁-C₄-alkylthio;
- R³ is F, CF₃, CF₂Cl, CF₂H, OCF₃, OCF₂Cl, or, if R¹ is CO₂CH₃ and R² is simultaneously fluorine, R³ is Cl, or, if R¹ is CH₂CF₃ or CF₂CF₃, R³ is methyl, or, if R⁴ is OCF₃ or OCF₂Cl, R³ is OCF₂H or OCF₂Br;
- R⁴ is C₁-C₂-alkoxy, C₁-C₂-alkyl, C₁-C₂-alkylthio, C₁-C₂-alkylamino, di-C₁-C₂-alkylamino, halogen, C₁-C₂-haloalkyl, C₁-C₂-haloalkoxy;
- R⁵ is hydrogen, C₁-C₂-alkoxy, C₁-C₄-alkyl;
- R⁶ is C₁-C₄-alkyl, C₂-C₄-alkenyl, C₂-C₄-alkynyl or C₃-C₆-cycloalkyl, where these groups may carry 1 to 5 halogen atoms, with the exception of allyl, difluoromethoxy, chlorodifluoromethoxy and 2-chloroethoxy when E is O or S; or in the event that E is O or NR⁷, R⁶ is furthermore methylsulfonyl, ethylsulfonyl, trifluoromethylsulfonyl, allylsulfonyl, propargylsulfonyl or dimethylsulfamoyl;
- R⁷ is hydrogen, methyl or ethyl;

R⁸ is C₁-C₆-alkyl, which may carry up to three of the following radicals: halogen, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-haloalkoxy, C₁-C₄-alkoxy-C₁-C₄-alkoxy, C₃-C₇-cycloalkyl and/or phenyl;
C₅-C₇-cycloalkyl which may carry up to three C₁-C₄-alkyl groups;
C₃-C₆-alkenyl or C₃-C₆-alkynyl;

R⁹ is C₁-C₆-alkyl, which may carry up to three of the following radicals: halogen, C₁-C₄-alkoxy, C₁-C₄-alkylthio, C₁-C₄-haloalkoxy, C₁-C₄-alkoxy-C₁-C₄-alkoxy, C₃-C₇-cycloalkyl and/or phenyl;
C₅-C₇-cycloalkyl which may carry up to three C₁-C₄-alkyl groups;
C₃-C₆-alkenyl or C₃-C₆-alkynyl;

R¹⁰ is hydrogen, C₁-C₂-alkoxy, C₁-C₆-alkyl, or together with R¹¹ is a C₄-C₆-alkylene chain in which one methylene group may be replaced by an oxygen atom or a C₁-C₄-alkylimino group;

R¹¹ is C₁-C₄-alkyl which may carry one to four halogen or C₁-C₄-alkoxy radicals; C₃-C₆-cycloalkyl;

n is 0 - 3;

o is 1 or 2;

z is N or CH,

or an environmentally compatible salt of I, and

b) at least one herbicidal compound selected from groups b₁, b₃ to b₅, b₁₀ to b₂₀, b₂₂ to b₂₅, b₂₈, b₂₉, b₃₁ to b₃₅ and b₃₈ to b₄₁:

b₁) 1,3,4-thiadiazoles: buthidazole and cyprazole;

b₃) aminophosphoric acids: bilanafos, bialaphos, buminafos, glufosinate-ammonium, glyphosate and sulfosate;

b₄) aminotriazoles: amitrol;

b₅) anilides: anilofos and mefenacet;

b₁₀) carbamates: asulam, barban, butylate, carbetamid, chlorbufam, chlorpropham, cycloate, desmedipham, di-allate, EPTC, esprocarb, molinate, orbencarb, pebulate, phenisopham, phenmedipham, propham, prosulfocarb, pyributicarb, sulf-allate (CDEC), terbucarb, thiobencarb (benthocarb), tiocarbazil, tri-allate and vernolate;

b₁₁) quinolinecarboxylic acids: quinclorac and quinmerac;

- b₁₂) chloracetanilides: acetochlor, alachlor, butachlor, butenachlor, diethatyl-ethyl, dimethachlor, metazachlor, metolachlor, pretilachlor, propachlor, prynachlor, terbuchlor, thenylchlor and xylachlor;
- b₁₃) cyclohexenones: alloxydim, caloxydim, clethodim, cloproxydim, cycloxydim, sethoxydim, tralkoxydim and 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one;
- b₁₄) dichloropropionic acids: dalapon;
- b₁₅) dihydrobenzofurans: ethofumesate;
- b₁₆) dihydrofuran-3-ones: flurtamone;
- b₁₇) dinitroanilines: benefin, butralin, dinitramin, ethalf-luralin, fluchloralin, isopropalin, nitralin, oryzalin, pendimethalin, prodiamine, profluralin and trifluralin;
- b₁₈) dinitrophenols: bromofenoxim, dinoseb, dinoseb-acetat, dinoterb and DNOC;
- b₁₉) diphenyl ethers: acifluorfen-sodium, aclonifen, chlornitrofen (CNP), difenoxuron, ethoxyfen, fluorodifen, fluoroglycofen-ethyl, fomesafen, furyloxyfen, lactofen, nitrofen, nitrofluorfen and oxyfluorfen;
- b₂₀) dipyridylenes: cyperquat, difenzoquat methylsulfate, diquat and paraquat dichloride;
- b₂₂) imidazoles: isocarbamid;
- b₂₃) imidazolinones: imazamethapyr, imazapyr, imazaquin, imazethabenzmethyl (imazame) and imazethapyr;
- b₂₄) oxadiazoles: methazole, oxadiargyl and oxadiazon;
- b₂₅) oxiranes: tridiphane;
- b₂₈) phenylacetic acids: chlorfenac (fenac);
- b₂₉) phenylpropionic acid: chlorophenprop-methyl;
- b₃₁) pyrazoles: nipyraclufen;
- b₃₂) pyridazines: chloridazon, maleic hydrazide, norflurazon and pyridate;
- b₃₃) pyridinecarboxylic acids: clopyralid, dithiopyr, picloram and thiazopyr;
- b₃₄) pyrimidyl ethers: pyriithiobac acid, pyriithiobac sodium, KIH-2023 and KIH-6127;
- b₃₅) sulfonamides: flumetsulam and metosulam;
- b₃₈) triazinones: ethiozin, metamitron and metribuzin;

b₃₉) triazolecarboxamides: triazofenamid;
b₄₀) uracils: bromacil, lenacil and terbacil;
b₄₁) others: benazolin, benfuresate, bensulfide, benzofluor,
butamifos, cafenstrole, chlorthal-dimethyl (DCPA), cinme-
thylin, dichlobenil, endothall, fluorbentranyl, meflui-
dide, perfluidone and piperophos,
or an environmentally compatible salt of the herbicidal com-
pound,

in a synergistically active amount.

2. (amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea of formula I wherein

R¹ is CO₂CH₃, CO₂C₂H₅, CO₂iC₃H₇, CF₃, CF₂H, CH₂CF₃, CF₂CF₃,
OSO₂CH₃, OSO₂N(CH₃)₂, Cl, NO₂, SO₂N(CH₃)₂, SO₂CH₃, SO₂C₂H₅ and
N(CH₃)SO₂CH₃,

R² is hydrogen, halogen or methyl,

R³ is CF₂H, OCF₃, OCF₂Cl, CF₃, or,
if R¹ is CO₂CH₃ and R² is simultaneously fluorine, R³ is Cl,
or,

if R¹ is CH₂CF₃ or CF₂CF₃, R³ is methyl,

R⁴ is OCH₃, and

R⁵ is hydrogen.

3. (amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea of formula I wherein

R¹ is halogen, a group ER⁶, CO₂R⁸, SO₂CH₃ or SO₂C₂H₅,

R² is hydrogen,

R³ is F,

R⁴ is OCF₃, OCF₂Cl or OCH₃, and

R⁵ is hydrogen.

4. (amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea of formula I wherein

R¹ is CF₃,

R² is hydrogen,

R³ is CF₃,

R⁴ is OCH₃,

R⁵ is hydrogen, and

Z is N.

5. (amended) The herbicidal composition defined in claim 14, wherein the herbicidal compound (b) is selected from the group consisting of
- glufosinate-ammonium, glyphosate, sulfosate, mefenacet, phenmedipham, thiobencarb, quinclorac, quinmerac, acetochlor, alachlor, butachlor, metazachlor, metolachlor, pretilachlor, butroxydim, clethodim, cloproxydim, sethoxydim, tralkoxydim, caloxydim, 2-{1-[2-(4-chlorophenoxy)propyloxyimino]-butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one, pendimethalin, acifluorfen-sodium, bifenox, fluoroglycofen-ethyl, fomesafen, lactofen, imazaquin, imazethabenzmethyl, imazethapyr, pyridate, clopyralid, bispyribac-sodium, KIH-8555, KUH-920, flumetsulam, metosulam, benazolin, benfuresate, cafenstrole and cinmethylin.
6. (amended) The herbicidal composition defined in claim 14, wherein the herbicidal compound (b) is selected from the group consisting of
- B,* phenmedipham, thiobencarb, quinclorac, caloxydim, sethoxydim, 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one, acifluorfen-sodium and fluoroglycofen-ethyl.
7. (amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea (a) and the one or more herbicidal compounds (b) in a weight ratio of 1:0.1 to 1:40.
8. (amended) The herbicidal composition defined in claim 14, comprising the sulfonylurea (a) and the one or more herbicidal compounds (b) in a weight ratio of 1:0.1 to 1:20.
9. (amended) A herbicidal composition comprising
- a) a herbicidally active amount on a sulfonylurea of formula I as defined in claim 14,
 - b) a synergistically active amount of at least one of the herbicidal compounds (b) defined in claim 14,
- at least one liquid or solid carrier and optionally at least one adjuvant.
10. (amended) The herbicidal composition defined in claim 9, wherein the sulfonylurea (a) and one or more of the herbicidal compounds (b) are present in a weight ratio of 1:0.1 to 1:40.

11. (amended) The herbicidal composition defined in claim 9, wherein the sulfonylurea (a) and one or more of the herbicidally compounds (b) are present in a weight ratio of 1:0.1 to 1:40.
12. (amended) A method of controlling undesirable vegetation, which comprises applying the sulfonylurea (a) defined in claim 14 and one or more of the herbicidal compounds (b) defined in claim 14 before, during or after the emergence of undesirable plants, either simultaneously or in succession.
13. (amended) A method of controlling undesirable vegetation, which comprises treating the leaves of crop plants and of undesired plants with the sulfonylurea (a) defined in claim 14 and one or more of the herbicidal compounds (b) defined in claim 14, either simultaneously or in succession.
15. (new) The composition defined in claim 14, wherein component b) is at least one compound selected from the group consisting of
- b₃) aminophosphoric acids: bilanafos, bialaphos, buminafos, glufosinate-ammonium, glyphosate, sulfosate;
- b₁₃) cyclohexenones: alloxydim, caloxydim, clethodim, cloproxydim, cycloxydim, sethoxydim, tralkoxydim, 2-{1-[2-(4-chloro-phenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one;
- b₁₇) dinitroanilines: benefin, butralin, dinitramin, ethalfluralin, fluchloralin, isopropalin, nitralin, oryzalin, pendimethalin, prodiamine, profluralin, trifluralin;
- b₂₃) imidazolinones: imazamethapyr, imazapyr, imazaquin, imazethabenzmethyl (imazame) and imazethapyr.
16. (new) The composition defined in claim 14, wherein component b) is at least one compound selected from the group consisting of glufosinate-ammonium, glyphosate, sulfosate, butroxydim, clethodim, cloproxydim, sethoxydim, tralkoxydim, caloxydim, 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one, pendimethalin, imazaquin, imazethabenzmethyl and imazethapyr.
17. (new) The composition defined in claim 14, wherein component b) is at least one compound selected from the group consisting of

caloxydim, sethoxydim, 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one, acifluorfen-sodium and fluoroglycofen-ethyl.

- B₁
18. (new) The composition defined in claim 14, wherein component b) is at least one compound selected from the group consisting of alloxydim, caloxydim, clethodim, cloproxydim, cycloxydim, sethoxydim, tralkoxydim and 2-{1-[2-(4-chlorophenoxy)propyloxyimino]butyl}-3-hydroxy-5-(2H-tetrahydrothiopyran-3-yl)-2-cyclohexen-1-one.
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